## We Claim:

- 1. A method for producing a protein in a host cell, comprising the step of culturing a host cell comprising a first nucleic acid encoding an isolated chaperonin binding domain associated with a second nucleic acid encoding the protein and a third nucleic acid encoding a chaperonin, under conditions suitable for expression of said first, said second and said third nucleic acid and wherein said chaperonin binding domain is capable of binding to said chaperonin.
- 2. The method of Claim 1 further comprising recovering said protein from said cell.
  - 3. The method of Claim 1 wherein said nucleic acid encoding the chaperonin is naturally produced by the host cell.
- 4. The method of Claim 3 wherein said cell is grown under conditions that result in elevation of the levels of the naturally produced chaperonin.
  - 5. The method of Claim 1 wherein said nucleic acid encoding the chaperonin is heterologous to the host cell.

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6. The method of Claim 1 wherein said host cell is a bacterial cell.

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7. The method of Claim 6 wherein said bacterial cell is a member of the family Enterobacteriaceae

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- 8. The method of Claim 7 wherein said bacterial cell is E.coli.
- 9. The method of Claim 1 wherein the chaperonin binding domain has a sequence as shown in SEQ ID NO: 1 through SEQ ID NO: 38.

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10. The method of Claim 1 wherein said chaperonin binding domain is obtainable from GroES and said chaperonin is the GroEL chaperonin.

- 11. The method of Claim 10 wherein the chaperonin binding domain comprises the amino acid sequence EVETKSAGGIVLTGSAAA or is a variation thereof capable of binding to GroEL chaperonin with an affinity of between about 10<sup>-2</sup> and 10<sup>-8</sup> Kd.
- 5 12. The method of Claim 1 wherein said first and said second nucleic acid encode a fusion protein.
  - 13. The method of Claim 12 wherein said first and said second nucleic acid encode a fusion protein and are separated by an enzymatic cleavage site.
  - 14. The method of Claim 12 wherein said first and said second nucleic acid encode a fusion protein and are separated by a chemical cleavage site.
    - 15. The method of Claim 1 wherein said protein is toxic to the host cell.
    - 16. The method of Claim 5 wherein said chaperonin heterologous to the host cell is under the control of an expression signal capable of overexpression said chaperonin.
- 17. An expression vector comprising a first nucleic acid encoding a chaperonin binding domain and a second nucleic acid encoding a protein.
  - 18. The expression vector of Claim 17 wherein the chaperonin binding domain has a sequence as shown in SEQ ID NO: 1 through SEQ ID NO: 38
- 19. The expression vector of Claim 18 wherein the chaperonin binding domain is obtainable from GroES.
  - 20. The expression vector of Claim 18 wherein the chaperonin binding domain comprises the amino acid sequence EVETKSAGGIVLTGSAAA or a variation thereof capable of binding to GroEL chaperonin with an affinity of between about 10<sup>-2</sup> and 10<sup>-8</sup> Kd.
  - 21. A host cell containing the expression vector of Claim 17.

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- 22. The host cell of Claim 21 wherein the host cell is a member of the family *Enterobacteriaceae*.
- 23. The host cell of Claim 22 wherein the host cell is E.coli.

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